

From boatanchors@theporch.com Mon Jun 12 03:41:53 1995
Date: Sun, 11 Jun 1995 22:41:53 -0500
Message-Id: <199506120339.UAA22708@mailhost.primenet.com>
From: markem@primenet.com (Mark Monninger)
Subject: 30M xtal for T4XB

Greetings all...

I'm looking for a 30M xtal for my Drake T-4XB. According to the manual, it should be 20.8 MHz. I know I can probably get one from JAN et. al., but I thought someone on the list might have an extra one laying around. If so, please contact me via email.

Tks & 73... Mark AA7TA markem@primenet.com

From boatanchors@theporch.com Sun Jun 11 17:05:50 1995
Date: Sun, 11 Jun 1995 12:05:50 -0500
Message-Id: <Chameleon.4.01.2.950611120715.jproc@>
From: jproc@worldlinx.com
Subject: Amateur Radio in the Royal Canadian Navy

Dear BA's,

There is a new story which has been posted in the archives on Amateur Radio in the Royal Canadian Navy. Info on naval BA's and how they were used by shipborne amateurs.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida Toronto, Ontario

From boatanchors@theporch.com Mon Jun 12 04:18:36 1995
Date: Sun, 11 Jun 1995 23:18:36 -0500
Message-Id: <199506120416.XAA24777@quake.xnet.com>
From: mshaum@xnet.com (Mark Shaum)
Subject: ARCI mini swapmeet report

Although there was a fairly major hamfest today at Willow Springs, IL, I chose to attend the Antique Radio Club of Illinois mini-swapfest in Elgin, seeing how's its only 15 minutes from my QTH. My original goal was merely to pick up a few odds and ends parts, some sockets and look for oldie vernier drive mechanisms. Hence saving a number of buckaroos that I would have surely been tempted to spend should I have attended the more major event at the Santa Fe racetrack grounds. I should have known better...

Anyway.. things spotted:

Hallicrafters HT-30 (\$75 asked, he would have taken \$65 if I had not bumped into items later mentioned). Clean cabinet, original knobs 'cept one was cracked and rather sloppily glued together. Innards dirty, tube shields rusted, all controls and switches felt ok. Interesting phasing rig for AM/SSB/CW, in the two-tone cabinet style of the SX100/101 and HT32 series except smaller. Covered 80/40/20/10 meters. Pair of 6146's in the outputs. Don't know if this was sold, I left before the seller did.

Mint looking and feeling HT32B and SX115 combo. Had a sold sign slapped on it well before I arrived at 09:00.. heard that \$675 was being asked for the pair, and possibly worth it if they worked as well as they looked (and felt.. spinning the VFO knobs showed none of the slight sloppiness or binding that can find it's way into Hallicrafters gear drives after so many years).

Very clean NC-98 with speaker, \$125 asked.

Several S-38 series sets, none exceptional, ranging from \$35 to \$75 asking price.

One very clean BC-342, \$85 asked, I believe it went for \$70.

A Harvey Wells Bandmaster transmitter mounted into a four foot rack, with tuner. Fairly dirty, from an estate sale. No price marked, best offer. I managed to determine that \$70 was considered a good offer, but didn't bite. I couldn't fit it into the car anyway..

Two S-108's, one with speaker, one without. \$85 and \$75asked. Both were clean with manuals, but the seller said they may need tubes.

I got my handfuls of 350 and 450 volt electrolytics at various capacities for a quarter to 50 cents apiece. Picked up an 'all for \$5' box full of ceramic standoff and feedthrough insulators, probably 60 or so total, including several unused Birnbach dipole end insulators (6 to 10 inches long). Suprise buried in the box was an 0-8A RF Ammeter (works).

Got two command transmitters for \$5 each, the BC457 and 458A. The fellow

said he sold over a dozen at \$20-25 each earlier, but was in a hurry to leave. These are in good condition and totally unmodified. Probably the best buy of the year for me so far. All tubes check good.

Three assorted medium weight homebrew power supply chassis for the iron contained within. One mag phono to ceramic preamp with self-contained AC supply, will be used as a low current supply for those little glow box accessories I'm accumulating. \$1 to \$3 each for these. I lucked out, all transformers and chokes check good.

So far, so good, but then I had to bump into Larry, N9HRQ and his table. Picked up a fair to good physical but promised working EAC R390A (complete with covers and meters, although the wrong meters) for \$220. So much for keeping to my budget. I will have some questions about this one, my first ever Collins purchase, but with the potential to be my premier shack AM receiver.

Larry also had the ruggidized portable (orange portable/waterproof case) version of the HP 8640B, asking \$400. Didn't note the Navy part number. I'd classify that as an excellent price for one of the best signal generators ever made for high performance receiver work. If anybody is interested, his office number is (708) 658-7328. Tell him the guy who bought the 390A he had been trying to unload for months sent ya <grin>.

In general, more ham stuff than usual at an ACRI meet. Their big four day bash is coming up later in the summer, I think I'll make it a must attend. Needless to say, most of the items available were classic audio and broadcast receivers from the 20's through the 40's. Not as many all-american fives noted for a change. Still didn't turn up a knob for my T-150A or the SX-99 (shucks).

73! - Mark, NE9G

From boatanchors@theporch.com Sun Jun 11 12:58:38 1995
Date: Sun, 11 Jun 1995 07:58:38 -0500
Message-Id: <199506111255.FAA19298@ix5.ix.netcom.com>
From: jeffa@ix.netcom.com (Jeff Anderson)
Subject: Corrosion removal on Drakes?

I recently picked up an R-4B that has quite a bit of chassis corrosion on it's top surface (the underside looks great). It looks like a previous owner, long long ago, took a brillo pad to the chassis top in an attempt to clean it (it has numerous "rubbing" scratches), and then

left it in the basement for the condensation to do it's work.

The corrosion ain't pretty (hey, are these chassis' copper coated steel?).

What are some ways to clean this up?

Thanks,

- Jeff, WA6AHL

From boatanchors@theporch.com Sun Jun 11 15:04:05 1995

Date: Sun, 11 Jun 1995 10:04:05 -0500

Message-Id: <9506111501.AA02846@kali>

From: Andy Wallace <wallace@mc.com>

Subject: Re: Corrosion removal on Drakes?

I have talked with several people on bulletin boards and nobody seems to have hit on any magic formula for cleaning those copper Drake chassis. Some people have had some luck with Q-tips and copper cleaner, but that requires a lot of work and it will look ugly if you don't get the residue out of the nooks and crannies.

The only thing that might improve performance would be to make sure ground lugs and terminal strip ground tie-points have good contact with bare metal... The rest is aesthetics. Annoying, I know, but with the covers on it's not a big eyesore. <grin>

Even so it's nice to find a piece of Drake gear with a gleaming chassis. I'd suggest some sort of dust cover to keep it that way.

--Andy

(I'm a bit tarnished, too!)

From boatanchors@theporch.com Sun Jun 11 15:24:46 1995

Date: Sun, 11 Jun 1995 10:24:46 -0500

Message-Id: <9506111524.AA24734@bobcat.etsu.edu>

From: wier@bobcat.etsu.edu (Bob Wier)

Subject: Cw Record?

The last I heard, Chuck Adams was going to try for a new CW speed record at Ham-Com - any word on that yet?

THANKS & 73 de WB5KXH

===== Round Up the Usual Disclaimers! =====

Bob Wier, keeper of the Photo-3D, Icom radio (WB5KXH),
Overland Trails, and Motorola HC11 mailing lists
wier@bobcat.etsu.edu

currently in Ouray, Co at 8,000 ft. elevation
(this is a *high level* system :-)

From boatanchors@theporch.com Mon Jun 12 01:47:19 1995
Date: Sun, 11 Jun 1995 20:47:19 -0500
Message-Id: <9506120145.AA05124@kahuna.math.hawaii.edu>
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Subject: CW Trivia

Hi Bobbi (lost your address!),
I don't recall any number prosigns being passed on 500 kc except
73. And only once in 3 years did someone send me an 88 (back then
I assumed it was a FB woman op, but today I guess one shouldn't
assume that!). Even 73 wasn't all that common - the favorite
EOT niceties were: SU, SEEU (which has a real nice cadence),
TU, TKS, OM. And the very last item sent by both ops was the
dit dit.

What occurred on 500 nightly was far from formal - we all knew
the formal procedures but knowing that fellow shipmates were
behind those keys and were being tossed about on the rough high
seas we allowed a release of tension to occur on the airwaves.
A night wouldn't go by without something occurring that would
cause all the Pacific ops to fall out of their chairs laughing.
I'm sure our shipboard mates appreciated that.

Humidly,
Jeff NH6IL

From boatanchors@theporch.com Sun Jun 11 18:32:10 1995
Date: Sun, 11 Jun 1995 13:32:10 -0500
Message-Id: <9506110956.0DYLE00@24stex.com>
From: michael.moore@24stex.com
Subject: ENGRAVED PANEL - FILLE

RA>I am looking for the paint stick that is used to fill the engraved
RA>panel lettering. I was told shoe polish would work but can not clean
RA>the panel up from that... ? Where can I find a white paint (?) stick ?
RA>thanks de stan ak0b

Try just about any hobby,crafts or plastic supply shop. Most sell
an item called 'Lacquer Stick'. Cost is a couple of bucks.

I used to engrave metal name badges like police and others wear. We
used something called engravers enamel (probably just regular
enamel). It was applied into the letters with a small brush. Excess
was remoned by scraping a business card over the engraved area. Area
won't be perfectly clean. Next day apply some paint thinner to rag
and gently rub away the paint on the badge (panel). The letters should
remain filled.

Mike... K6SQJ

From boatanchors@theporch.com Sun Jun 11 16:44:06 1995
Date: Sun, 11 Jun 1995 11:44:06 -0500
Message-Id: <Chameleon.4.01.2.950611120324.jproc@>
From: jproc@worldlinx.com
Subject: RE: HQ-180A question and Hallicrafters history

>1) Where can I find a speaker for it? I've been told that the speaker is
>a model s-100 and/or s-200. (What's the difference?)
>

Paul,

The S100 speaker was designed for use with the HQ100A, HQ110 and HQ105TR.
The S200 speaker was desgined for use with the HQ145X, HQ170 and HQ180.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida Toronto, Ontario

From boatanchors@theporch.com Sun Jun 11 18:42:15 1995
Date: Sun, 11 Jun 1995 13:42:15 -0500
Message-Id: <950611143717_92739764@aol.com>
From: W7FG@aol.com
Subject: Military Neat Manuals of INFO

We've just aquired two Military Manuals that are packed full of information, and seem to be very good as REFERENCE MATERIAL.

We've had many requests for both and have been spending a fair amount of time just pawing through the pages since receiving them a few weeks ago. If anyone is interested in either listed give us a call at 1-800-807-6146.

Supply Manual: SIG-3, 296 pages, dated October 1953.

139 pages of cross reference
150 pages of Pictures, from Hammers, Keys (J-37 etc), Radios, trucks with compliments of Hardware including radios, Photographic equipment, telephone switchs equipment and associated hardware even hand tools are included. The photos are pretty much Black and White with very little Gray Scale.
\$36.

HISTORY OF THE SQUAD RADIO

ECOM-4451

Dated 1976, Looks more like a Research Paper redone for Publication.

87 PAGES

Covers portable radios; Handhelds, in the Helmet type, cigarette case radios etc. Really neat book, but original copy photos are a lot to be desired.

They are good enough to show most detail, and the write up's are neat.

\$18

From boatanchors@theporch.com Mon Jun 12 10:54:12 1995
Date: Mon, 12 Jun 1995 05:54:12 -0500
Message-Id: <9506121049.AA00374@umassmed.UMMED.EDU>
From: ahall@umassmed.UMMED.EDU (Art Hall)
Subject: Need Coax Spec List Agn.

Would the person that made the spec list on the different types of coax please send me a copy. I accidentally erased my copy that I downloaded from BA.

Thanks
Art Hall (WB3EJA)

--
Art Hall
ahall@umassmed.ummed.edu

From boatanchors@theporch.com Mon Jun 12 04:46:15 1995
Date: Sun, 11 Jun 1995 23:46:15 -0500
Message-Id: <199506120440.XAA28375@quake.xnet.com>
From: mshaum@xnet.com (Mark Shaum)
Subject: R390A AGC and meter issues

Having joined the R390A crowd, I have a couple questions. First, regarding meters. Does anybody have the specs on the original carrier and line level VU meters in terms of movements? Mine has a 0-1ma/100 ohm meter for the carrier level and a 500ua/300 ohm unit for the line level. I'm mostly interested in what was used for the carrier level meter, maybe I can shunt or stretch one of the two to use for for that purpose. I can live without a real volume unit af meter until one turns up someday. My Navships 390A manual copy doesn't spec out the meters.

Regarding the AGC. This is the only sore point with my new purchase that I've uncovered since bringing it home today. The AGC just doesn't do it's job in controlling receiver gain in am (or bfo-on) modes. The carrier meter hardly registers beyond 30% of full scale even with a local AM broadcast station tuned in, which generally warps the needles on most of my receivers. Severe audio distortion occurs unless I ride the RF gain on all modes.

I removed the AGC jumper on the back, and find that the circuit can develop up to -32vdc open circuit when tuned to aforementioned loudenboomer signal. When the AGC output is attached to the AGC bus, I generally see no more than -1 to -3 volts. I can apply an external AGC voltage with the internal AGC disconnected and get all the gain control I need with a swing from zero to -10 volts. I'm assuming something in the IF module is loading things down, but haven't removed the module to check resistors and caps yet. Is this a common failure mode? While I suspect that the stock AGC won't quite cut it with a diode detector on SSB, I am assuming that it ought to hold levels low enough to avoid detector overload in AM mode.

I did notice the receiver go 'quiet' a couple times while chatting with locals on 75 tonight. Switching the AGC time constant switch to/from any particular position restored the gain. This is probably giving me a hint, but I can't see it yet..

Regarding calibration.. after end point adjustment, this one is accurate to less than one minor division (about 150 hz) at all 100khz points along the dial. Looks like I got a good PT0, at least.

Missing item: The short coax jumper that goes to the IF output jack on the rear panel. I have none of these coax connectors, are the connectors or patch cables commonly available? What is the designation of the plug type? I'll definitely need to hook up a product detector and this sounds like the obvious place to tap the if signal.

Guess I have some work to do, but I'm very pleased to become the owner of a 390A, with a lot of past message reading to do from the BA archives and more to learn.

73! - Mark, NE9G

From boatanchors@theporch.com Mon Jun 12 02:05:00 1995
Date: Sun, 11 Jun 1995 21:05:00 -0500
Message-Id: <Chameleon.4.01.2.950611220228.jproc@jproc>
From: jproc@worldlinx.com
Subject: R390A Survey

Dear N50FF,

I wanted to pass a comment to you regarding the R390A survey, however, the return address you show 'n50ff@k5arh.la.usa' was immediately rejected by the postmaster at my Internet service provider. Can you confirm that I am sending the correct address? Can't use the alternate address because I don't have packet radio capability.

Thanks,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida Toronto, Ontario

From boatanchors@theporch.com Mon Jun 12 05:18:52 1995
Date: Mon, 12 Jun 1995 00:18:52 -0500
Message-Id: <199506120517.AAA04064@quake.xnet.com>
From: mshaum@xnet.com (Mark Shaum)
Subject: Re: Spray Painting

>the guy at the store talked me out of it. He said that it's good for
>painting outside stuff, but it doesn't give a good enough finish for a
>metal cabinet and suggested that I get automotive paint in a spray can at
>an auto parts store. The salesman in the Sherwin Williams store disagreed
>and said that the Wagner gun will give a better finish than a spray can.

>

>What's the best way to paint the cabinet?

>

Tony, I wouldn't go with the electric sprayer, you would be heading for overspray city. I have used a regular medium cost spray gun from Sears for past automotive work, and can definitely recommend something that gives you a little mixture and air pressure control when you are applying enamels or laquers to a metal surface. A full size gun may be overkill for a couple of square feet of cabinet, but consider the following alternative:

Most hobby stores sell airbrush kits. They are in various price ranges (I think I paid about \$19 for mine several years ago). They provide small jars for paint so you don't have to mix up two pints to cover a couple square inches of touchup work! Mixture and sometimes pressure controls are provided. They can run from standard air compressors (even the smallest fractional horse small tank models are ok) at around 30-40 psi. Mine came with a can of 'compressed air' and an adapter to fit the can that was good for about 15 minutes of continuous spraying. Since I no longer own a compressor, my current air supply is an old spare tire (adapters are available to fit tire valves). While I still have a pressure regulator, I haven't found it necessary. Pressure from the tire stays constant enough for consistant results over a few minutes of spraying.

Above all, practice! It takes a while to get things setup right and fiddling with mixture, distance, etc. to avoid common problems like runs (too heavy, too close) or orange peel (usually spraying from too far away.. the paint starts to dry before it hits the target). While my airbrush sez it can be 'focused' down to a 1/8 inch line, I've never managed that thin of a result. For regular cabinet or panel painting, a 2-3 inch oblong pattern seems to work best.

73! - Mark, NE9G

From boatanchors@theporch.com Sun Jun 11 21:33:41 1995
Date: Sun, 11 Jun 1995 16:33:41 -0500
Message-Id: <Pine.BSI.3.91.950611172128.7176A-100000@laurel.us.net>
From: Tony Stalls <ras@us.net>
Subject: Re: Surplus Sales/Nebraska- Grrrr!

On Sat, 10 Jun 1995, Bill Kleronomos wrote:

> The recent posting re: Surplus Sales of Nebraska brought to mind
> my one and only experience with that firm. Everone can draw their
> own conclusion.
>
> About 5 years ago I ordered a "new, fresh Rockwell stock" mechanical
> filter for my 75S-3 from him, and paid a premium price. Upon receipt
> I noted the box was awfully beat up for a new stock item and had "\$35"
> written, then scratched out on the end flap.

Within the past year I ordered some not-inexpensive electrolytic capacitors from Surplus Sales of Nebraska and discovered a 1986 manufacture date on them. Had I realized that they were going to be nine years old, I probably would have used available 450 volt ones with a resistor board. However, they do have some unique items that are difficult to find elsewhere at any price.

> In the end, I managed to get a full refund through my bank's VISA
> card unit after they reviewed the documents I provided them. Their
> feeling was the merchandise was misrepresented as to quality and
> origin. VISA then debited the account of Surplus Sales.

There is a lot of cardholder protection provisions built into the Visa and MasterCard bylaws, including the one you described. I have gotten refunds from balky mail-order dealers on several occasions over the years that same way. All you have to do is show proof of a good faith effort to resolve the problem with the dealer and they take over from there.

> I also described this transaction to the sales manager of QST, who
> could have cared less.

I wouldn't be too hard on the QST sales manager. I'm sure that he made a note of the complaint, but unless they have a history of customer abuse, I doubt that they would respond. The same is true with the Postal Inspectors. They rarely respond to a single complaint, but they do go after repeat offenders. A single incident could be explained away as a

misunderstanding while a pattern suggests deliberate intent.

I guess that the bottom line is to never forget caveat emptor.

73,

Tony
K4KY0

<ras@us.net>

From boatanchors@theporch.com Sun Jun 11 14:22:49 1995
Date: Sun, 11 Jun 1995 09:22:49 -0500
Message-Id: <Pine.SUN.3.91.950611071112.6625A-100000@coyote.rain.org>
From: "Ray L. Mote" <rmote@rain.org>
Subject: Re: T-827B docs

The Navy probably still has manuals for this; contact
<flegler@pilot.msu.edu> for the phone number, as he's going thru the same
process on the same gear.

R-1051H manual is EE125-AF-OMI-010

T-827B manuals are 0967-LP-004-2000, 0967-LP-200-3010, and
0967-LP-200-3020. (Looks like the last two might be the most recent,
two-volume set.)

AM-3007 manual is 0967-LP-878-6010.

All the above are operations & maintenance instructions, all are NAVSHIPS
(now NAVSEA) documents. You *may* have to file a Freedom Of Information
Act request to get them. That seems to be the way things are being done
these days (Aarghh!!). They should be available through the Naval
Publications and Forms Center (stocking point for the Navy) in the
Philadelphia area; if not, try the National Technical Information Service
for a photocopy. Have never gone either route, so am flying blind giving
advice.

From boatanchors@theporch.com Mon Jun 12 11:27:11 1995

Date: Mon, 12 Jun 1995 06:27:11 -0500
Message-Id: <9506121122.AA08520@alpha>
From: Duncan Cadd <dcadd@luc.ac.be>
Subject: that kind of childhood . . .

Greetings, Anchorites, from an overcast Diepenbeek in N.E. Belgium!

(blush) Like, er, making nitroglycerine in your bedroom and being awakened at 3 am to a sound similar to a CO2 fire extinguisher going off, snapping on the light barely able to breathe and discovering the reason being the bedroom was full of brown fumes and the goop was squirting everywhere from the jam jar - the sort with the quarter-turn lid which had of course been turned a very tight quarter and in which the pressure was steadily building ?

Like the chrome-plated brass bathroom towel rail cannon, which after firing with home-made gunpowder showed a pronounced bulge (B-U-L-G-E - pronounced "BULGE") around its base ? :-o

Like the mercury fulminate reaction which got a bit violent because you're meant to use slightly diluted alcohol instead of pure alcohol ?

Like making cyanide on the workbench in Dad's garage ?

Like the gun cotton in the pickle jar which began to decompose with vigour, and shall we ever forget the look on the neighbour's face as we dashed out of the garden shed shaking the stuff all over the garden, fuming nitrous vapours etc expletives gushing forth . . ?

Yes, it's amazing some of us made it to adulthood, but perhaps not so amazing that having survived the 'apprenticeship' we made it to PhD chemist and gun nut

I'm now off the list for two weeks' R&R playing with the RA17 etc. And hopefully nothing unpleasant in the bedroom, garden shed, garage, attic etc etc etc.

73,

Duncan GOUTY / ON9CHU G-QRP 8117

From boatanchors@theporch.com Sun Jun 11 22:35:22 1995

Date: Sun, 11 Jun 1995 17:35:22 -0500

Message-Id: <199506112233.PAA17702@scn.org>

From: David Barts <davidb@scn.org>

Subject: Wanted: Schematic for PA Amp

Just helped a fellow up in Vancouver clean out some old electronics from his house yesterday. One thing I came back with is a Bogen CHB35A 35-watt tube PA amplifier. Anyone by chance have a schematic for one of these beasts? I know it's going to need some work to get running -- it's obviously missing a few parts as there's more than one wire under the chassis that's ends in midair.

Thing seems to be late-60's vintage, with a pair of 7868's in the output section. Not exactly a BA, but it would make a nice addition to the radio room -- could make a patch panel and use it to feed audio from my radios to speakers installed throughout the house.

From boatanchors@theporch.com Sun Jun 11 14:11:34 1995

Date: Sun, 11 Jun 1995 09:11:34 -0500

Message-Id: <Chameleon.4.01.2.950611090832.gyoungma@gyoungma.gtetel.com>

From: Grant Youngman <gyoungma@gtetel.com>

Subject: RE: what Vibroplex to buy?

>If anyone cares, back in August of 1970 I called the old
>guy who ran Vibroplex at 833 Broadway and asked him for
>whatever instructions came with a bug - I'd just gotten
>one, secondhand of course.

>

>He spent \$.06 to mail me the one mimeo'd sheet then supplied.

>It really doesn't say very much we haven't seen before...

>"use the tip of the thumb and the tips of the first two

>fingers.....a free arm movement should be used..."

>

>About the most interesting thing is that he says when

>making a dot do not permit the fingers to touch the dash

>side, and vice versa. Try this, it's almost impossible

>to send when gripping firmly the handle.

>

>Also he says to "always keep the contact points clean" but

>fails to say how! Certainly a subject of many hints and

>kinks.

Vibroplex can supply a nice paper by Brian Murphy (VE2AG0) entitled "Semi-Automatic Bug Adjustment". Its a reprint of an old QST article.

They also supply it now with the the new keys.

Grant/NQ5T